UL6500/RL350/LU-U500/SL550/FL-440/ F1P1702/UL5530/RL153/LU-U400/ SL450/FL-423/F1P1706/UL5510/RL150/ LU-U300/SL350/FL-420/F1P1710/ UL6300W/RL320/LU-W500/SL530/ FL-340/FWX1703/UL5330W/RL123/ LU-W400/SL430/FL-323/FWX1707/ UL5310W/RL120/LU-W300/SL330/ FL-320/FWX1711/UL6200/RL310/ LU-X500/SL510/FL-140/FNX1704/ UL5230/RL113/LU-X400/SL410/FL-123/ FNX1708/UL5210/RL110/LU-X300/ SL310/FL-120/FNX1712 Series

Laser Projector

User's Guide

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

Safety instructions

Read all of these instructions before you operate your projector and save for future reference.

1. Read instructions
   All the safety and operating instructions should be read before the appliance is operated.
2. Notes and warnings
   All notes and warnings in the operating instructions should be adhered to.
3. Cleaning
   Unplug the projector from the wall socket before cleaning. Use a damp cloth for cleaning the projector housing. Do not use liquid or aerosol cleaners.
4. Accessories
   Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
   Keep the plastic packing materials (from the projector, accessories and optional parts) out of the reach of children as these bags may result in death by suffocation. Be particularly careful around the small children.
5. Ventilation
   The projector is equipped with ventilation holes (intake) and ventilation holes (exhaust).
   Do not block or place anything near these slots, or internal heat build-up may occur, causing picture degradation or damage to the projector.
6. Power sources
   Check that the operating voltage of your unit is identical with the voltage of your local power supply.
7. Servicing
   Do not attempt to service this projector yourself. Refer all servicing to qualified service personnel.
8. Replacement parts
   When replacement parts are required, be sure that the replacement parts are specified by the manufacture. Unauthorized substitutions may result in fire, electric shock or other hazards.
9. Moisture Condensation
   Never operate this projector immediately after moving it from a cold location to a warm one. When the projector is exposed to such a change in temperature, moisture may condense on the lens and the crucial internal parts. To prevent the unit from possible damage, do not use the projector.

WARNING:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Table of Contents

Introduction 3

Projector feature 3
Package contents 4
Product overview 5

Getting Started 9

Connecting the Projector 9
Powering on/off the projector 10
Adjusting the Projected Image 11

User Controls 14

On-screen display menus 14
Menu items 15
Setting up the Projector Network Environment 33
Controlling the Projector via LAN 34
Controlling the Projector Using Crestron RoomView® 37

Maintenance 42

Cleaning the projection window 42
Cleaning the projector housing 42
Specifications 43
Dimensions 45
Ceiling mount installation 45

Appendices 46

LED indicator messages 46
Compatibility Chart 48
Troubleshooting 49
RS-232C Specifications and Commands 52

Introduction

Projector feature

The projector offers the following features:

- UL6500/RL350/LU-U500/SL550/FL-440/F1P1702/UL5530/RL153/LU-U400/SL450/FL-423/F1P1706/UL5510/RL150/LU-U300/SL350/FL-420/F1P1710 series: Native1920 x 1080 1080p resolution
- UL6300W/RL320/LU-W500/SL530/FL-340/FWX1703/UL5330W/RL123/LU-W400/SL430/FL-323/FWX1707/UL5310W/RL120/LU-W300/SL330/FL-320/FWX1711 series: Native 1280 x 800 WXGA resolution
- UL6200/RL310/LU-X500/SL510/FL-140/FNX1704/UL5230/RL113/LU-X400/SL410/FL-123/FNX1708/UL5210/RL110/LU-X300/SL310/FL-120/FNX1712 series: Native 1024 x 768 XGA resolution
- Laser-phosphor light source free from replacement
- Ultra-short throw (UST) projection lens delivers large images from a short projection distance
- HDMI x 2 inputs
- H./V. Keystone for easy horizontal and vertical keystone correction
- 4 Corner Correction allows you to adjust four corners of the projected image
- Blu-Ray 3D function supported
- 3D Color Management allowing color adjustments to your liking
- Screen Color correction allowing projection on surfaces of several predefined colors
- Network settings allowing for controlling the Projector via LAN

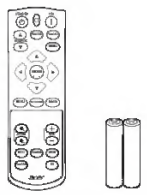
☞ ***Note***

- ***The information in this manual is subject to change without notices.***
- ***The reproduction, transfer or copy of all or any part of this document is not permitted without express written consent.***

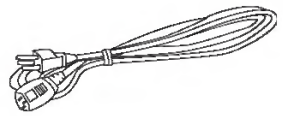
Package contents

When you unpack the projector, make sure you have all these components:

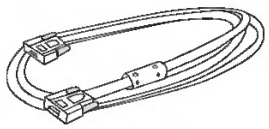
Projector



Remote control (IR) & batteries (AAA *2 PCS)



AC power cord



VGA cable (D-SUB to D-SUB)

Quick start guide

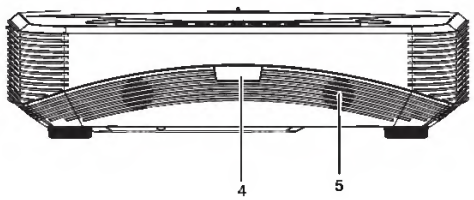
☞ *Note*

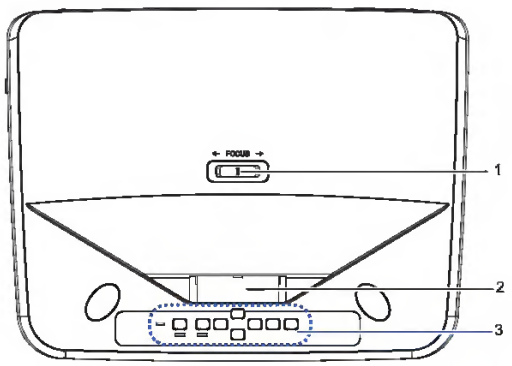
- ***Contact you dealer immediately if any items are missing, appear damaged, or if the unit does not work.***
- ***For maximum protection of the product, please save the original shipping carton and packing materials and repack your product as it was originally packed at the factory if you need to ship it.***

Product overview

Projector outlook

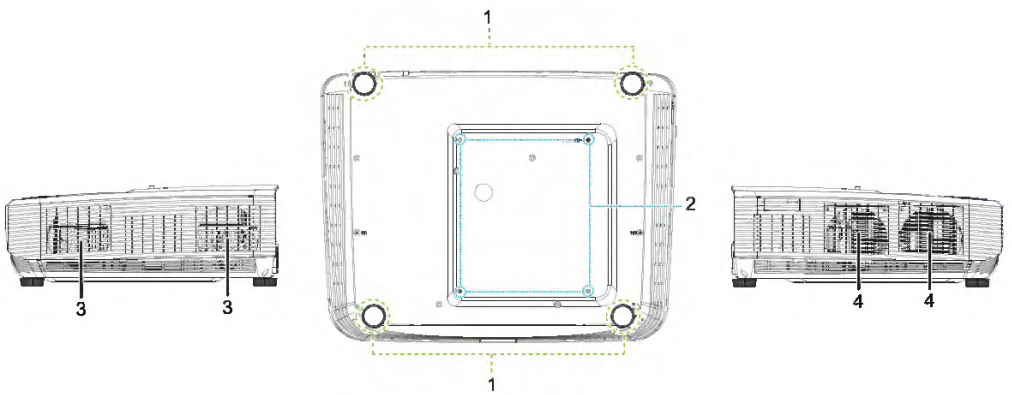
Front and top





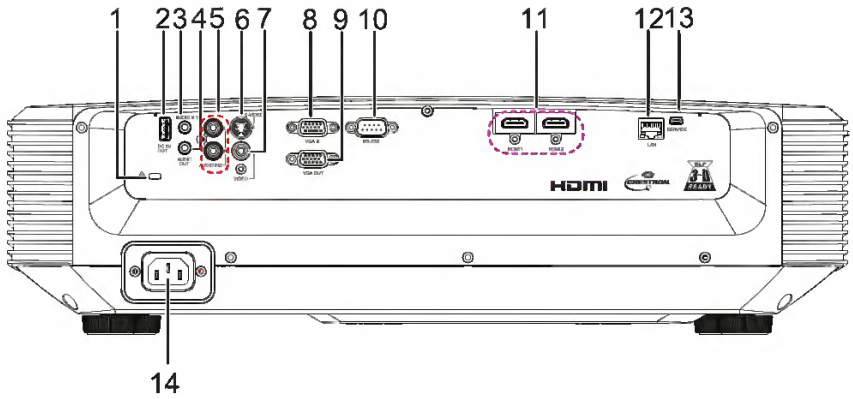
1. Focus switch
2. Projection window
3. Control pane
4. IR remote control sensor
5. Speaker

Bottom and side



1. Adjuster feet
2. Ceiling mount holes
3. Ventilation holes (airflow out)
4. Ventilation holes (airflow in)

Rear

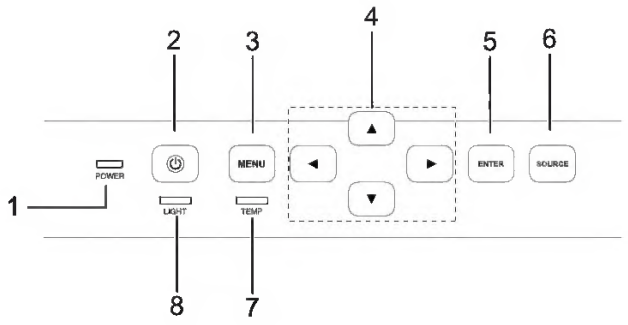


1. Kensington anti-theft lock slot
2. 5V output for power charging
3. Audio input jack
4. Audio output jack
5. Audio (L/R) input jack
6. S-Video input jack
7. Video input jack
8. RGB (PC)/Component video (YPbPr) signal input jack
9. RGB signal output jack
10. RS232 control port
11. HDMI input jack
12. RJ45 LAN input jack
13. SERVICE jack
14. AC power cord inlet

☞ *Note*

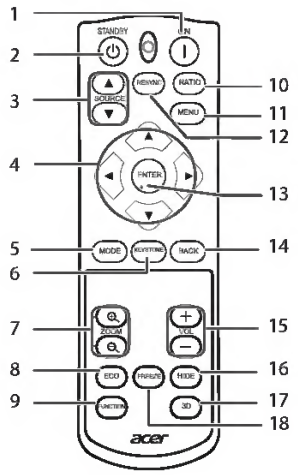
- ***This projector can be used with a ceiling mount for support. The ceiling mount is not included in the package.***
- ***Contact your dealer for information to mount the projector on a ceiling.***

Control panel



1. Power LED indicator
2. Power button
3. Menu button
4. Adjustment buttons (▲/▼/◀/▶)
5. Enter button
6. Source button
7. Temperature LED indicator
8. Light LED indicator

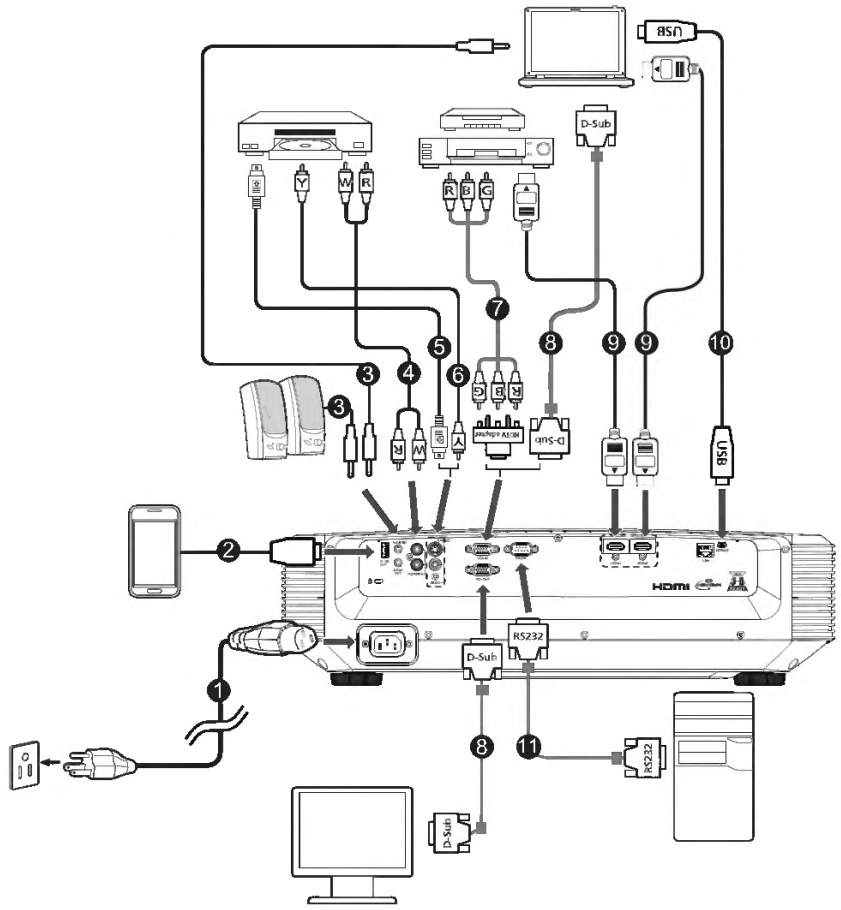
Remote control



1. ON button
   For turning the power on.
2. STANDBY button
   For putting the projector into the Standby mode.
3. SOURCE buttons
   For switching Input mode.
4. Adjustment buttons (▲/▼/◀/▶)
   For selecting and adjusting menu items.
5. MODE button
   For selecting the appropriate picture.
6. KEYSTONE button
   For entering the Keystone Correction mode.
7. ZOOM buttons
   For enlarging/reducing part of the image.
8. ECO button
   For lowering the noise of the cooling fan.
9. FUNCTION button
   For operating and executing a function assigned to "FUNCTION Button".
10. RATIO button
    For switching the picture size (NORMAL, 16:9, etc.).
11. MENU button
    For displaying adjustment and setting screens.
12. RESYNC button
    For automatically adjusting images when connected to a computer.
13. ENTER button
    For setting items selected or adjusted on the menu.
14. BACK button
    For returning to the previous menu screen during menu operation.
15. VOL +/- (Volume) buttons
    For adjusting the speaker sound level.
16. HIDE button
    For temporarily displaying a black screen and turning off the sound.
17. 3D button
    For displaying the 3D mode menu screen.
18. FREEZE button
    For freezing images.

Getting Started

Connecting the Projector



1. Power cord
2. USB cable for charging device
3. 3.5mm Audio cable
4. Audio cable jack/RCA
5. S-Video cable
6. Composite video cable
7. Component Video to VGA (DSub) adapter cable
8. VGA cable
9. HDMI cable
10. USB cable
11. RS232 cable

Powering on/off the projector

Powering on the projector:

Note that the connections to external equipment and power outlet should be done before performing the operations written below.

Press Power on the projector or ON on the remote control.

- The power indicator illuminates green.

⚠ ***Warning***

- ***Never look into the lens when the light is on. This can damage your eyes.***
- ***This focal point concentrates high temperature. Do not place any object near it to avoid possible fire hazard.***

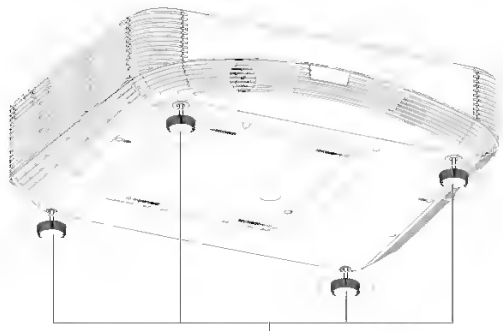
Powering off the projector:

Press Power on the projector or STANDBY on the remote control, then press that button again while the confirmation message is displayed, to put the projector into Standby mode.

- The projector cannot be turned on while cooling.

Adjusting the Projected Image

Adjusting the Height of Projected Image



The height of the projector can be adjusted using the adjuster feet.

When the screen is above the projector, the projection image can be made higher by adjusting the projector.

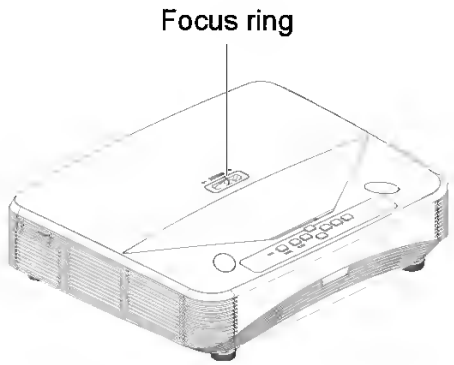
1. Lift the projector to adjust its height.
2. Remove your hands from the adjuster feet of the projector after its height has been finely adjusted.

☞ ***Note***

- ***When adjusting the height of the projector, trapezoidal distortion occurs. Follow the procedures in Keystone Correction to correct***

  tthe distortion.

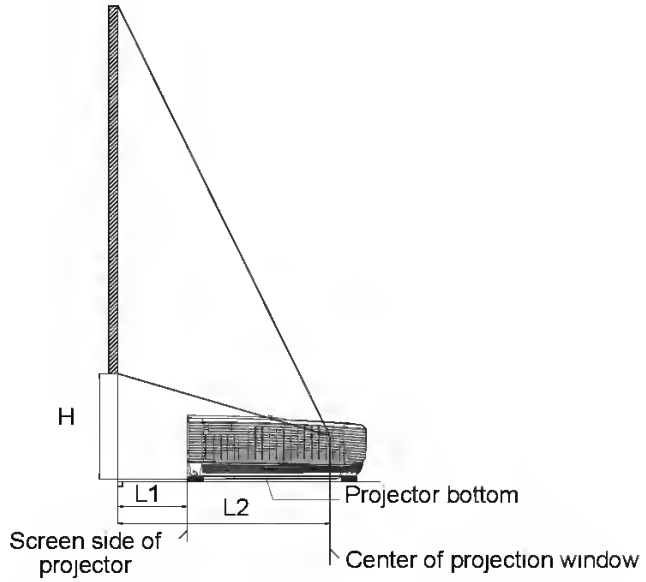
Adjusting the Focus



You can adjust the focus with the focus ring on the projector.

Rotate the focus ring to adjust the focus while watching the projected image.

Screen Size and Projection Distance



- UL6500/RL350/LU-U500/SL550/FL-440/F1P1702/UL5530/RL153/LU-U400/SL450/FL-423/F1P1706/UL5510/RL150/LU-U300/SL350/FL-420/F1P1710

16:9 Signal Input (Normal Mode)

Picture (Screen) size			Projection distance [L]		H
Diag. [x]	Width	Height	L1	L2	
150" (381 cm)	332.1 cm	186.8 cm	44.8 cm	75.8 cm	44.5 cm
120" (305 cm)	265.7 cm	149.4 cm	28.8 cm	59.8 cm	37.5 cm
100" (254 cm)	221.4 cm	124.5 cm	18.2 cm	49.2 cm	32.9 cm
80" (203 cm)	177.1 cm	99.6 cm	7.5 cm	38.5 cm	28.2 cm

- UL6300W/RL320/LU-W500/SL530/FL-340/FWX1703/UL5330W/RL123/LU-W400/SL430/FL-323/FWX1707/UL5310W/RL120/LU-W300/SL330/FL-320/FWX1711

16:10 Signal Input (Normal Mode)

Picture (Screen) size			Projection distance [L]		H
Diag. [x]	Width	Height	L1	L2	
150" (381 cm)	323.1 cm	201.9 cm	46.6 cm	77.6 cm	39.8 cm
120" (305 cm)	258.5 cm	161.5 cm	30.2 cm	61.2 cm	33.7 cm
100" (254 cm)	215.4 cm	134.6 cm	19.4 cm	50.4 cm	29.7 cm
80" (203 cm)	172.3 cm	107.7 cm	8.5 cm	39.5 cm	25.7 cm

- UL6200/RL310/LU-X500/SL510/FL-140/FNX1704/UL5230/RL113/LU-X400/SL410/FL-123/FNX1708/UL5210/RL110/LU-X300/SL310/FL-120/FNX1712

4:3 Signal Input (Normal Mode)

Picture (Screen) size			Projection distance [L]		H
Diag [x]	Width	Height	L1	L2	
125" (318 cm)	254.0 cm	190.5 cm	45.1 cm	76.1 cm	43.2 cm
100" (254 cm)	203.2 cm	152.4 cm	29.1 cm	60.1 cm	36.5 cm
80" (203 cm)	162.6 cm	121.9 cm	16.3 cm	47.3 cm	31.1 cm
65" (165 cm)	132.1 cm	99.1 cm	6.7 cm	37.7 cm	27.0 cm

x : Picture size (diag.) (in/cm)

L1: Projection distance from the screen side of the projector to the screen(cm)

L2: Projection distance from the center of the projection window to the screen (cm)

H: Distance from the projector bottom to the bottom of the image (cm)

User Controls

On-screen display menus

The projector has multilingual on-screen display menus that allow you to make image adjustments and change a variety of settings.

How to operate

1. Press **MENU** to display the OSD menu.
2. Press ► or ◄ and select main menu item.
3. Press ▼ to enter sub menu.
4. Press ▲ or ▼ to select the item.
5. Press ◄ or ► to select the desired item or adjust the settings.
6. Press **MENU**, the screen will return to the main menu or go back to the upper level of the menu.
7. Press MENU to leave and save the settings.

Menu items

Main Menu	Sub Menu	Settings		
DISPLAY	Wall Color	Off Blackboard Green Whiteboard		
	Aspect Ratio	Auto 4 : 3 16 : 9 16 : 10		
	H./V. Keystone			
	4 Corner Correction			
	Position			
	Phase			
	Frequency			
	Digital Zoom			

PICTURE	Picture Mode	Standard Presentation Movie Bright		
	Brightness			
	Contrast			
	Color Temperature	Color Temperature	Normal Cool Warm	
		R Gain		
		G Gain		
		B Gain		
		R Offset		
		G Offset		
		B Offset		
	Overscan			
	HDMI Settings	Signal Type	Auto RGB YPbPr	
		HDMI Color Range	Auto Full Range Limited Range	
	Advanced	Tint		
		Color		
		Sharpness		
		Gamma		
		BrilliantColor™		
		Noise Reduction		
		3D Color Management	Primary color	R/G/B/C/M/Y
			Hue	
			Saturation	
			Value	
	Reset Picture Setting			

SOURCE	Source Selection	Manual Auto		
	3D	3D Mode	Auto	
			Off	
			Top and Bottom	
			Frame Sequential	
			Frame Packing	
			Side By Side	
		3D L/R Invert	Disable Invert	

SYSTEM SETUP : Basic	Language	English Deutsch Español Nederlands Français Italiano Svenska Português Русский polski Magyar Türkçe 汉语 한국어 日本語		
	Projection Mode	Front Rear Rear Ceiling Ceiling		
	Menu Settings	Menu display time	5 sec 10 sec 15 sec 20 sec 25 sec 30 sec	
		Menu position	Center Upper Left Upper Right Lower Right Lower Left	
	Background	Logo Black Blue		
	FUNCTION Button	Information Projection Mode Brightness Contrast		
	Advanced	Test Pattern	Off On	
		Reminder Message	Off On	

SYSTEM SETUP : Advanced	High Altitude Mode	Off On		
	Audio Settings	Volume		
		Power On/Off Volume	Off On	
	Closed Caption	Closed Caption Enable	Off On	
		Caption Version	CC1 CC2 CC3 CC4	
	Light Source Settings	Eco Mode	Off On	
		Light Source Hours		
	Auto Power Off	Disable 10Min 20Min 30Min		
	Quick Cooling	Off On		
	Standby Settings	LAN Control	Off On	
	Network Settings	DHCP Client	Off On	
		IP Address		
		Subnet Mask		
		Default Gateway		
		DNS Server		
	Advanced	Security Settings	Change password	
			Power on Lock	Off On
		Keylock	Off On	
	All Reset			
INFORMATION	SOURCE			
	Picture Mode			
	Signal Info			
	Signal Type			
	Light Source Hours			
	IP Address			
	MAC Address			
	Firmware Version			

DISPLAY

Wall Color

This function allows you to project the image to a colored (white or dark green) surface or wall without using a screen.

- Off£½The Wall Color function is not activated°£
- Blackboard£½Projects images onto a blackboard (dark green).
- Green£½Projects images onto a green wall.
- Whiteboard£½Projects images onto a whiteboard.

Aspect Ratio

Use this function to stretch the image
vertically or horizontally or when the edges of the image cannot be seen.

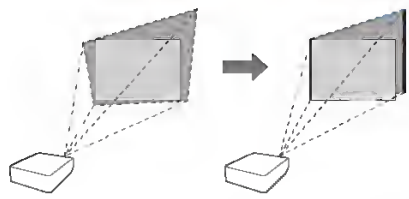
H./V. Keystone

For correcting an image designating the horizontal or vertical axes.

1. Press **KEYSTONE** on the remote control Select to "**H./V. Keystone**" and then press **Enter**.

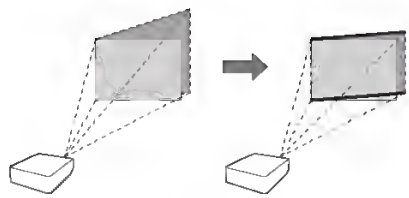
2. Press ▲/▼ to parallelize the left and right sides of the projected image.

Vertical Keystone Correction
(Adjustment with ▲/▼)



3. Press ◀/▶ to parallelize the upper and lower sides of the projected image.
4. Press **MENU** to set the position.

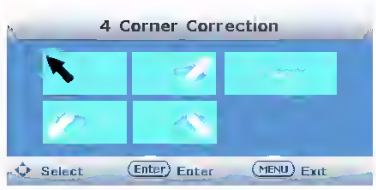
Vertical Keystone Correction
(Adjustment with ◀/▶)



4 Corner Correction

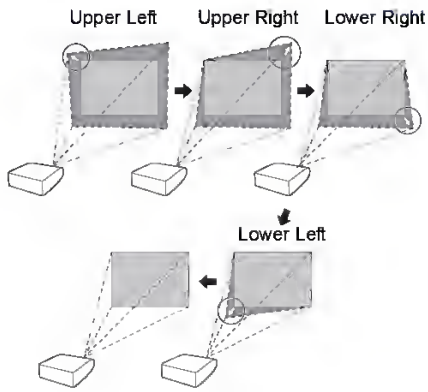
For correcting an image designating the corner of the projected image.

1. Press **KEYSTONE** on the remote control. Select to "**4 Corner Correction**" and then press **Enter**.
2. Press ▲/▼/◀/▶ to select one of the four corners and then press **ENTER**.
3. Press ▲/▼ to adjust vertical position.
   Press ◀/▶ to adjust horizontal position.
4. Press **MENU** to select other corners.



5. Repeat the same procedure with the positions for the corners.
   - At this time, pressing **BACK** on the projector or on the remote control returns to the previous screen.
   - Press **MENU** or **BACK** twice and the display disappears.

4 Corner Correction



Position

- Horizontal Centers the on-screen image by moving it to the left or right.
- Vertical Centers the on-screen image by moving it up or down.

☞ ***Note***

- ***The adjustable range of Position (Horizontal or Vertical) may vary depending on the screen resolution of the computer.***

Phase

Adjusts horizontal noise (similar to tracking on your VCR).

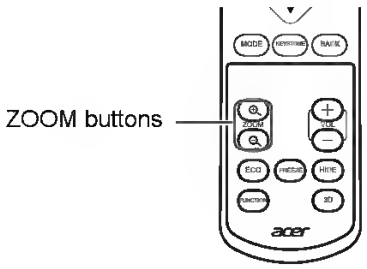
Frequency

Adjusts vertical noise.

Digital Zoom

Graphs, tables and other portions of projected images can be enlarged. This is helpful when providing more detailed explanations.

1. Press **ZOOM** on the remote control.
   - Enlarges the image.
   - Pressing or **ZOOM** enlarges or reduces the projected image.
2. Press **BACK** on the remote control to cancel the operation.
   - The magnification then returns to 1.0X.



PICTURE

Picture Mode

- Standard: For standard image
- Presentation: Brightens portions of image for more enhanced presentations.
- Movie: Gives natural tint to the projected image.
- Bright: Use in bright places.

Brightness

Press ◀ for less brightness, press ▶ for more brightness.

Contrast

Press ◀ for less contrast, press ▶ for more contrast.

Color Temperature

- Cool: For lower color temperature for warmer, reddish incandescent-like images.
- Normal: For normal color temperature.
- Warm: For higher color temperature for cooler, bluish, fluorescent-like images.
- R Gain: Press ◀ for less contrast in red color, press ▶ for more contrast in red color
- G Gain: Press ◀ for less contrast in green color, press ▶ for more contrast in green color.
- B Gain: Press ◀ for less contrast in blue color, press ▶ for mores contrast in blue color.
- R Offset: Press ◀ for less brightness in red color, press ▶ for more brightness in red color.
- G Offset: Press ◀ for less brightness in green color, press ▶ for more brightness in green color.
- B Offset: Press ◀ for less brightness in blue color, press ▶ for more brightness in blue color.

Overscan

This function allows you to adjust the overscan area (display area).

- Off: The whole input area is displayed.
- 1 - 5: The input area is displayed without the screen edges.

☞ ***Note***

- ***This function is available for the following signals.***
  With COMPUTER/HDMI 1 or 2 input for component signal:
  - 480P, 576P, 720P, 1080I, 1080P With VIDEO or S-VIDEO input:
  - All signals

- ***If noise appears at the screen edges when "Off is selected, set the function to a larger value.***

HDMI Settings

Signal Type

This function allows you to select the input signal type RGB or Component for HDMI 1 or 2.

- Auto: Input signals are automatically recognized as RGB or component.
- RGB: Set when RGB signals are received.
- YPbPr: Set when Component signals are received.

HDMI Color Range

An optimum picture may not be displayed if an HDMI-capable device°¶s output signal type and the projector°¶s input signal type do not match.

If this should occur, switch "HDMI Color Range".

- Auto: In most circumstances, "Auto" should be selected.
- Full Range/Limited Range: When the black levels of the image show banding or appear faded, select the item that results in the best picture quality.

Advanced

Tint

Press ◀ for making skin tones purplish, press ▶ for making skin tones greenish.

Color

Press ◀ for less color intensity, press ▶ for more color intensity.

☞ ***Note***

- ***Tint and Color are available for VIDEO or S-VIDEO mode.***

Sharpness

Press ◀ for less sharpness, press ▶ for more sharpness.

Gamma

When the darker areas of the image become diffi cult to see because of the image or the projection environment, you can correct the gamma setting to make the image brighter and easier to see.

BrilliantColor™

BrilliantColor™ uses Texas Instruments's BrilliantColor™ technology. The image becomes brighter while the color reproduction is kept at a high level.

Noise Reduction

Video noise reduction provides high quality images with minimal dot crawl and cross color noise.

3D Color Management

This function adjusts each of the six main colors that comprise the color wheel, altering their "Hue", "Saturation", or "Value".

Reset Picture Setting

To reset all adjustment items.

SOURCE

Source Selection

- Manual: “Source Selection” is not activated.
- Auto: Automatically searches for and switches to the appropriate Input mode, when the projector turn on, or no input signal is detected.

3D

3D Mode

- Auto: When a 3D identification signal is detected, the format is selected automatically.
- Off: 3D Mode is not activated.
- Top and Bottom/Frame Sequential/Frame Packing/Side By Side: Select the same format type of the received 3D signal.

3D L/R Invert

Selecting “Disable” or “Invert” switches between the image for the left eye and the image for the right eye, so that you can make the settings for more natural viewing.

SYSTEM SETUP : Basic

Language

Select the language used by the on-screen menu.

Projection Mode

- Front: Normal image (Projected from the front of the screen).
- Rear: Reversed image (Projected from the rear of the screen or with a mirror)
- Rear Ceiling: Reversed and inverted image (Projected with a mirror)
- Ceiling: Inverted image (Projected from the front of the screen with an inverted projector)

Menu Settings

Menu display time

Select "Menu Display Time" in the "Menu Settings" menu and the display time for the menu screen. The display time range is from 5 to 30 seconds.

Menu position

Select "Menu Position" in the "Menu Settings" menu and the desired position for the menu screen.

- Center: Displayed on the center of the image.
- Upper Left: Displayed on the upper left of the image.
- Upper Right: Displayed on the upper right of the image.
- Upper Left: Displayed on the upper left of the image.
- Lower Right: Displayed on the lower right of the image.

Background

- Logo: Logo screen
- Black: Black screen
- Blue: Blue screen

FUNCTION Button

You can assign one of the following functions to the **FUNCTION** button on the remote control. The assigned function can be performed by just pressing **FUNCTION**.

- Information: Information menu is displayed.
- Projection Mode: For reversing/inverting Projected Images.
- Brightness: For adjusting the brightness.
- Contrast: For adjusting the contrast.

Advanced

Test Pattern

- Off: The test pattern is not displayed.
- On: The test pattern is displayed.

Reminder Message

- Off: The reminder message (input signal,during input search or etc.information) is not displayed.
- On: The reminder message is displayed.

SYSTEM SETUP : Advanced

High Altitude Mode

This function changes the fan rotation speed.

- Off: Suitable for normal environments.
- On: Set when using the projector at altitudes of approximately 1,500 meters (4,900 feet) or more.When "High Altitude Mode" is set to "On", the fan rotation speeds up, and the fan noise becomes louder.

Audio Settings

Volume

This function allows you to adjust the projector's volume.

Power On/Off Volume

This function allows you to set the system sound.

- On: A confirmation sound is made when the projector turns on/off.
- Off: No confirmation sound is made.

Closed Caption

- This function is available for NTSC3.58 signal.
- "Closed Caption" is a system which allows conversations, narration, and sound effects in TV programs (Limited regions) and home videos to be viewed as captions on the screen.
- Not all programs and videos will offer closed captioning. Please look for the CC symbol to ensure that captions will be shown.

Closed Caption Enable

- Off: Closed Caption is not activated.
- On: Closed Caption is activated.

Caption Version

- CC1: Closed Caption mode for CH1 data
- CC2: Closed Caption mode for CH2 data
- CC3: Closed Caption mode for CH3 data
- CC4: Closed Caption mode for CH4 data

☞ ***Note***

- ***Closed Caption may malfunction (white blocks, strange characters, etc.) if signal conditions are poor or if there are problems at the broadcast source. This does not necessarily indicate a problem with the projector.***
- ***If any button is pressed to call up the onscreen display while viewing a Closed Caption broadcast, the closed captions will disappear.***

Light Source Settings

Eco Mode

- Off: 100%

- On: Approx. 80%

☞ ***Note***

- ***When "Eco Mode" is set to "On", the fan sound and power consumption are lower than they are when "Off" is selected. (Projection brightness decreases.)***

Light Source Hours

You can confirm the cumulative usage time.

Auto Power Off

- Disable: The Auto Power Off function will be disabled.
- 10 Min./20 Min./30 Min.: When no input signal is detected for more than selected time, the projector will automatically enter Standby mode.

☞ ***Note***

- ***When the Auto Power Off function is set to other than "Disable", 30 seconds before the projector enters Standby mode, the message will appear on the screen***

Quick Cooling

This function changes the cooling time.

- Off: The cooling time will be normal time.
- On: The cooling time is reduced.

Standby Settings

This function is setting power consumption reduction in standby mode.

LAN Control

You can be used Network function in Standby mode.

- Off: Network functions are switched off in Standby mode.
- On: Network functions are activated even if the projector is in Standby mode.

Network Settings

Allow you to configure the wired LAN settings. Refer to "Setting up the Projector Network Environment" on page 33.

DHCP Client

Connect the LAN cable before turning the projector on. If not, the DHCP Client function does not work.

- On: Obtains configuration parameters for TCP/IP network automatically.
- Off: Sets the TCP/IP manually.

When "**DHCP Client**" is set to "**On**", Select "**Save Settings**", then press **ENTER**.

IP Address

Factory default setting: 0. 0. 0. 0

Enter an IP address appropriate for the network.

Subnet Mask

Factory default setting 0 0 0 0

Set the subnet mask to the same as that of the computer and equipment on the network.

Default Gateway

Factory default setting: 0. 0. 0. 0

* When not in use, set to "0. 0. 0. 0".

DNS Server

Factory default setting: 0. 0. 0. 0

Enter a DNS Server address appropriate for the network.

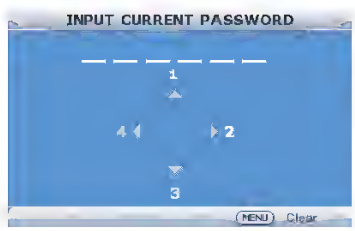
Advanced

Security Settings

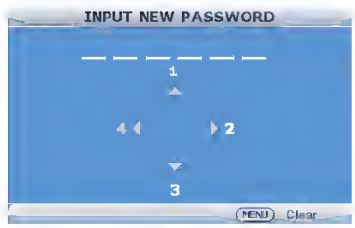
This function prevents unauthorized use of the projector. Once this function is activated, users must enter the correct Password each time the projector is turned on. We suggest you record the Password in a safe place where only authorized users have access.

Change password

1. Select "**Security Settings**" then press **ENTER**.
2. Select "**Change Password**" then press **ENTER**.
   The screen for entering the password appears.
3. Press the ▲/▼/◀/▶ buttons on the remote control or on the projector to enter the preset password in "**INPUT CURRENT PASSWORD**".



   - When setting the password for the first time, "**INPUT CURRENT PASSWORD**" input will be skipped.
   - If you input a wrong password, the cursor returns to the first point of the "**INPUT CURRENT PASSWORD**".
4. Press the ▲/▼/◀/▶ buttons on the remote control or on the projector to enter the new password in "**Input New Password**".
5. Enter the same password in "**VERIFY NEW PASSWORD**".



Power on Lock

When "**Power on Lock**" is set, the Password input screen appears after the power is turned on. When it appears, enter the right password to start projection.

- Off: "Power on Lock" is not activated.
- On: "Power on Lock" is activated.
  - When setting the Password for the first time, enter the password.

Keylock

Use this function to lock the operation buttons on the projector.

Setting with the Menu Screen

- On: All buttons on the projector, except Power, are locked.
- Off: Turns off the Keylock function.

Taking the Keylock Off

Hold down ▶ on the projector for about 3 seconds while the projector is being turned on.

- The Keylock function does not affect the operation with the remote control buttons.
- You cannot use the Keylock function while the projector is warming up.

All Reset

This function allows you to initialize the settings you have made in the projector.

The following items or menu cannot be initialized.

- Keystone Correction
- Projection Mode
- High Altitude Mode
- Network Settings
- Security Settings
- Light Source Hours

INFORMATION

SOURCE

The Input Mode of the projector is displayed.

Picture Mode

The Picture Mode of the projector is displayed.

Signal Info

This function allows you to check the current input signal information.

Signal Type

The Signal Type of the projector is displayed.

Light Source Hours

The Light source usage time of the projector is displayed.

IP Address

The IP address of the projector is displayed.

MAC Address

The MAC address of the projector is displayed.

Firmware Version

The Firmware Version of the projector is displayed.

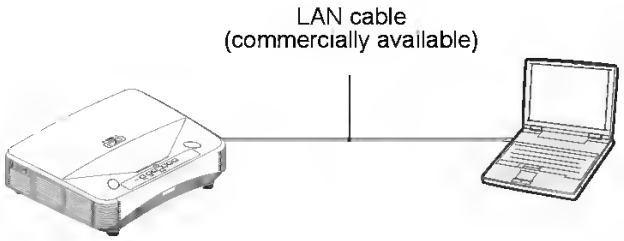
Setting up the Projector Network Environment

This section describes the basic procedure for using the projector via the network. If the network is already constructed, the projector's network settings may need to be changed. Please consult your network administrator for assistance with these settings. You can make network settings both on the projector and on the computer. The following procedure is for making settings on the computer.

Network settings on the computer

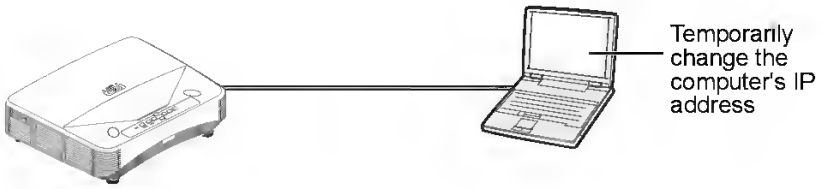
1. Connecting a projector to a computer.

Connect a LAN cable (Category 5, cross-over type) between the computer and projector.



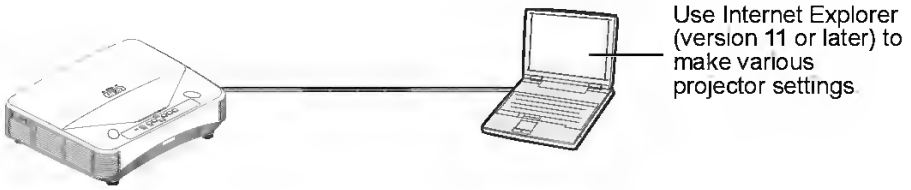
2. Setting an IP address for the computer.

Adjust the IP settings of the computer to enable one-to-one communications with the projector.



3. Setting up a network connection for the projector.

Adjust the projector network settings to conform to your network.



☞ ***Note***

- ***When connecting to a hub, use a straight-though Category 5 (CAT.5) type cable (commercially available).***
- ***The following browsers are supported.***
  - Internet Explorer 11 or later

Controlling the Projector via LAN

After connecting the projector to your network, enter the projector IP address in "Address" on Internet Explorer (version 11 or later) using a computer on the network to start a setup screen that will enable control of the projector via the network.

Controlling the Projector Using Internet Explorer (Version 11 or later)

Complete connections to external equipment

before starting the operation.

Complete the AC cord connection.

1. Start Internet Explorer on the computer.
2. Enter "http://" followed by the projector IP address set by the "/" in "Address", and then press the "Enter" key.
3. When the screen as shown on the right appears, enter the following.
   - Inital Password : 0000
4. A screen for controlling the projector appears, ready for performing various status conditions, control, and settings.

Setting the Network

Network Settings

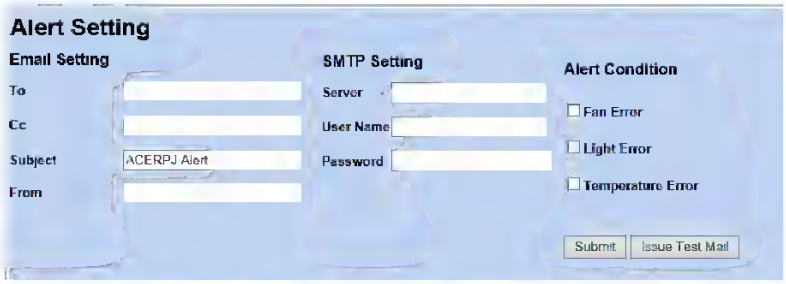
The Network Setting screen appears, ready for network settings for the projector.

Items	Setting example / Remarks
DHCP	Select "ON" or "OFF" to determine whether to use DHCP Client.
IP Address	You can set this item when "DHCP Client" is set to "OFF". Factory default setting: 0.0.0.0 Enter an IP address appropriate for the network.
Subnet Mask	You can set this item when "DHCP Client" is set to "OFF". Factory default setting: 0.0.0.0 Set the subnet mask to the same as that of the computer and equipment on the network.
Default Gateway	You can set this item when "DHCP Client" is set to "OFF". Factory default setting: 0.0.0.0 * When not in use, set to "0.0.0.0" 设为 "0.0.0.0"。
DNS Server	Factory default setting: 0.0.0.0 * When not in use, set to "0.0.0.0"

Items	Setting example / Remarks
administrator)	Select "Enable" or "Disable" to determine whether to use security protection
Password	Setting of password for security protection (within 4 characters)
SysLocation	Setting of Location for SNMP (within 22 characters)
SysName	Setting of Name for SNMP (within 22 characters)
SysContac	Setting of Name for SNMP (within 22 characters)

Setting for Sending E-mail when an Error Occurs

Email Alert



On this screen, you can make settings for sending e-mail to report when the projector has generated an error.

Email Setting

Items	Description
To Cc	Set addresses to which error notification e-mail is sent. (within 40 characters)
Subject	Setting of Subject for error e-mail. (within 40 characters)
From	Setting of Originator Address for error e-mail (within 40 characters)

SMTP Setting

Items	Setting example / Remarks
Sever	Setting an SMTP server address for email transmission. (within 30 characters) e.g.1: 192.168.150.253 e.g.2: smtp123.sharp.co.jp * When using a domain name, make settings for the DNS server.
User Name	Setting of user name for SMTP server. (within 40 characters)
Password	Setting of password for SMTP server. (within 14 characters)

Alert Condition

Items	Description
Fan Error, Light Source error, Temperature error	Error e-mail is sent on the error items checked in their check boxes.
Issue Test Mail	Send test e-mail. This allows you to confirm that the settings for e-mail transmission are properly set.

Controlling the Projector Using Crestron RoomView®

Regarding Crestron Roomview®

Crestron RoomView is the consolidated control systems provided by Crestron Company, able to control and monitor the multiple of projectors which connected to a network.

This projector supports the protocol for this control system, so that it supports the systems offered by Crestron RoomView. For more detail, visit the Crestron website. (English page only).

http://www.crestron.com

The main features for the Crestron RoomView® are below;

- Control remotely using web browser.

Able to control the projector from a computer as you control with remote control.

- Control, and monitor using application software.

By using the application software (Crestron RoomView Express/Crestron RoomView Sever Edition) offered by Crestron, you will able to monitor, contact with a helpdesk, and send a message in emergency. For detail, visit

http://www.crestron.com/getroomview

☞ ***Note***

- ***Only alphabets and the numbers can be entered for the character entry.***

Control Using Web Browser

Display the control menu

Be sure to check the following before operation.

- Connect both projector and computer to the network
- Setting up the projector Network Environment

1. Operate the web browser on the computer.
2. Enter IP address of the Projector on the web browser and press **ENTER**.
3. Click the "Crestron e-Control" button.
   - How to use the control menu.

How to use the control menu

① Operate below functions by clicking on each buttons.

Buttons	Functions
Power	For turning the power on and putting the projector into Standby mode
Vol - /Vol+	For adjusting the speaker sound level
AV Mute	For temporarily displaying a black screen and turning off the sound

② Change the input mode by clicking on the source. The input signal which is used will display in blue.

③ Operate below functions by clicking on each buttons.

Buttons	Functions
Contrast	Adjusting the contrast
Brightness	Adjusting the brightness
Sharpness	Adjusting the Sharpness
Freeze	Freezing a Moving Image

④ The ▲/▼/◀/▶T button will work as same as the ▲/▼/◀/▶on the remote control. For the other buttons, see below.

Buttons	Functions
Enter	For setting items selected or adjusted on the menu
Menu	For displaying adjustment and setting screens
Autosync	For automatically adjusting images when connected to a computer
Resize	For switching the picture size (NORMAL, 16 9, etc)
Return	For returning to the previous menu screen during menu operations

⑤ Click on each tab to operate below;

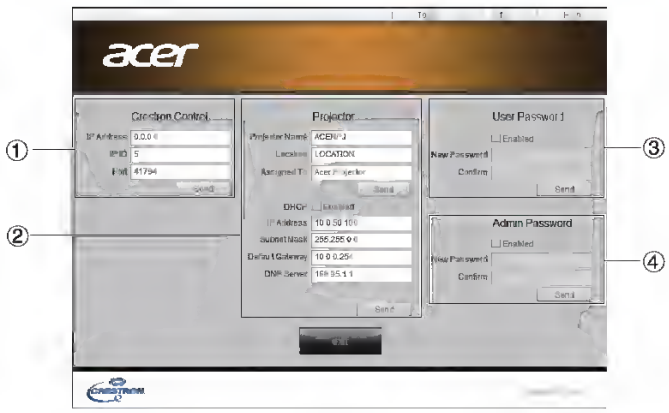
Tabs	Functions
Contact IT Help	Help Desk window will be displayed, and able to send/receive a message to the administrator who uses the Crestron RoomView Express

Info	Show the information of the projector which is connected.
Tools	Change the setting of the projector which is connected. Refer the next section.

How to use the Tool menu

Click on the Tool Tab on the control menu and the below will be displayed.

It can change the settings for the projector which is connected.



① **Crestron Control**

Settings for the Crestron central control.

② **Projector**

Setting for the projector.

Items	Functions
Projector Name	The Projector Name can be changed (within 22 characters)
Location	The location name can be changed (within 22 characters)
Assigned To	The user of the projector can be changed (within 22 characters)
DHCP	When using DHCP, check on "Enable" The address settings below will be invalid if checked
IP Address	Set IP Address for the projector
Subnet Mask	Set subnet mask for the projector
Default Gateway	Set default gateway for the projector
DNS Server	Set DNS Server for the projector
Send	Click to fix what is set on this Projector Menu

③ User Password

To lock the control menu on the conputer with a password, check on “Enable”.

Setting for the below items;

Items	Functions
New Password	Enter new password to change the password for the control menu (within 15 characters)
Confirm	Enter the password you have set on the "New Password". The error will show if not equal
Send	Click to fix what is set on this Admin Password

③ Admin Password

To lock the Tool menu with a password, check on “Enable”. Setting for the below items:

Items	Functions
New Password	Enter new password to change the password for the Tool menu (within 15 characters)
Confirm	Enter the password you have set on the "New Password". The error will show if not equal.
Send	Click to fix what is set on this Admin Password

Maintenance

The projector needs proper maintenance. You should keep the lens clean as dust, dirt or spots will project on the screen and diminish image quality. If any other parts need replacing, contact your dealer or qualified service personnel. When cleaning any part of the projector, always switch off and unplug the projector first.

⚠ ***Warning***

- ***Never open any of the covers on the projector. Dangerous electrical voltages inside the projector can cause severe injury. Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.***

Cleaning the projection window

Gently wipe the lens with lens cleaning paper. Do not touch the projection window with your hands.

Cleaning the projector housing

Gently wipe with a soft cloth. If dirt and stains are not easily removed, use a soft cloth damped with water, or water and neutral detergent, and wipe dry with a soft, dry cloth

☞ ***Note***

- ***Turn off the projector and remove the AC power cord from the power outlet before beginning maintenance work.***
- ***Make sure the lens is cool before cleaning.***
- ***Do not use detergents or chemicals other than those noted above. Do not use benzene or thinners.***
- ***Do not use chemical sprays.***
- ***Use a soft cloth or lens paper only.***

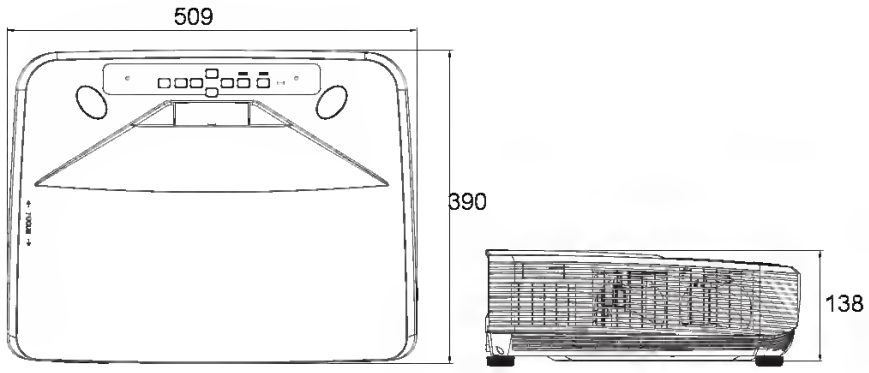
Specifications

Name of product type		UL6500/RL350/LU-U500/ SL550/FL-440/F1P1702/ UL5530/RL153/LU-U400/ SL450/FL-423/F1P1706/ UL5510/RL150/LU-U300/ SL350/FL-420/F1P1710	UL6300W/RL320/LU-W500/ SL530/FL-340/FWX1703/ UL5330W/RL123/LU-W400/ SL430/FL-323/FWX1707/ UL5310W/RL120/LU-W300/ SL330/FL-320/FWX1711	UL6200/RL310/LU-X500/ SL510/FL-140/FNX1704/ UL5230/RL113/LU-X400/ SL410/FL-123/FNX1708/ UL5210/RL110/LU-X300/ SL310/FL-120/FNX1712
Display system		DLP®Chip		
Display device	Effective display size	0.65" x1 , Aspect ratio 16:9	0.65" x1 , Aspect ratio 16:10	0.55" x1 , Aspect ratio 4:3
Effective pixels		2,073,600 pixels (1,920 x 1,080)	1,024,000 pixels (1,280 x 800)	786,432 pixels (1,024 x 768)
Projection lens	Zoom	-		
	Focus	Manual		
Light source		Laser diode		
Screen size		80" - 150"	80" - 150"	65" - 125"
Projection distance		80" （Approx 39cm） , 100" （Approx 49cm） , 120" （Approx 60cm） , 150" （Approx 76cm）	80" （Approx 40cm） , 100" （Approx 50cm） , 120" （Approx 61cm） , 150" （Approx 78cm） ,	65" （Approx 38cm） , 80" （Approx 47cm） , 100" （Approx 60cm） , 125" （Approx 76cm） ,
Speakers		10W × 1		
Displayable scanning frequency	Horizontal	15 - 102KHz		
	Vertical	23 - 120Hz		
Display resolution	Computer signal input	UXGA /WSXGA+ /SXGA+ /SXGA /WXGA+ /WXGA /XGA /SVGA /VGA Mac21" / 19" / 16" / 13"		
	Video signal input	1080p / 1080i / 720p / 576p / 576i / 480p / 480i NTSC / PAL / SECAM		
Input terminal	HDMI	x2		
	Computer/ Component (mini D-sub 15 pin)	x1		
	S-Video (mini DIN 4 pin)	x1		
	Video (RCA)	x1		
	Audio (Ø3.5 mm stereo mini jack)	x1		
	Audio (RCA)	x1		
Output terminal	Computer/ Component (mini D-sub 15 pin)	x1		
	Audio (Ø3.5 mm stereo mini jack)	x1		
	USB (DC5V/1.5A)	x1		
Control and communication terminals	RS-232 (D-sub 9pin)	x1		
	LAN (RJ-45)	x1		
Operating temperature		0°C - 35°C (no condensation)		
Power requirement		UL6500/RL350/LU-U500/SL550/FL-440/F1P1702/UL6300W/RL320/LU-W500/SL530/FL-340/FWX1703/UL6200/RL310/LU-X500/SL510/FL-140/FNX1704 AC 100V-240V 50/60Hz 4.7A UL5510/RL150/LU-U300/SL350/FL-420/F1P1710/UL5310W/RL120/LU-W300/SL330/FL-320/FWX1711/UL5210/RL110/LU-X300/SL310/FL-120/FNX1712 AC 100V-240V 50/60Hz 2.5A		

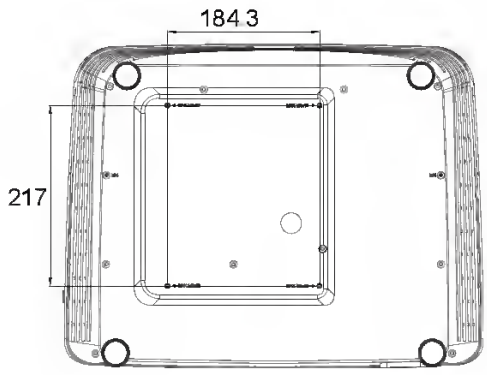
Maximum power consumption	UL6500/RL350/LU-U500/ SL550/FL-440/F1P1702 480W UL5530/RL153/LU-U400/ SL450/FL-423/F1P1706/ UL5510/RL150/LU-U300/ SL350/FL-420/F1P1710 370W	UL6300W/RL320/LU-W500/ SL530/FL-340/FWX1703/ UL5330W/RL123/LU-W400/ SL430/FL-323/FWX1707 250W UL5310W/RL120/LU-W300/ SL330/FL-320/FWX1711 280W	UL6200/RL310/LU-X500/ SL510/FL-140/FNX1704 480W UL5230/RL113/LU-X400/ SL410/FL-123/FNX1708 250W UL5210/RL110/LU-X300/ SL310/FL-120/FNX1712 280W
Standby mode power consumption (LAN Control is off)	< 0.5W		
Dimensions (W x D x H)	W 509 x D 390 x H 138 mm (excluding protruding parts)		
Weight (approx)	UL6500/RL350/LU-U500/ SL550/FL-440/F1P1702 10kg UL5530/RL153/LU-U400/ SL450/FL-423/F1P1706 8.4kg UL5510/RL150/LU-U300/ SL350/FL-420/F1P1710 8.2kg	UL5330W/RL123/LU-W400/ SL430/FL-323/FWX1707 8.4kg UL5310W/RL120/LU-W300/ SL330/FL-320/FWX1711 8.2kg	UL6200/RL310/LU-X500/ SL510/FL-140/FNX1704 10kg UL5230/RL113/LU-X400/ SL410/FL-123/FNX1708 8.4kg UL5210/RL110/LU-X300/ SL310/FL-120/FNX1712 8.2kg

Dimensions

509 mm (W) x 390 mm (D) x 138 mm (H)



Ceiling mount installation



Ceiling mount screws:
Max. M4 x 10

Unit: mm

Appendices

LED indicator messages

Power indicator	Orange on	Normal (Standby)
	Green on	Normal (Power on)
	Green blinks	Normal (Warm up)
	Orange blinks	Normal (Cooling)
	Orange blinks (faster)	Abnormal (Refer to the table below)
Light source indicator	Off	Normal
	Red on	The light source is shut down abnormally.
Temperature indicator	Off	Normal
	Red blinks	The internal temperature is abnormally.

Maintenance indicator			Problem	Cause	Possible Solution
	Normal	Abnormal			
Temperature indicator	Off	Red blinks	The internal temperature is abnormally.	• Temperatures around the projector are high • Blocked air intake	• Use the projector in an area with a temperature of lower than +35° C. • Relocate the projector to an area with proper ventilation.
				• Cooling fan breakdown • Internal circuit failure • Clogged air intake	• Take the projector to your nearest Authorized Projector Dealer or Service Center for repair
Light source indicator	Off	Red on	The light source does not illuminate.	• Light source failure	• Disconnect the power cord from the AC outlet, and then connect it again. • Take the projector to your nearest Authorized Projector Dealer or Service Center for repair

Power indicator	Green on/ Green blinks Orange on/ Orange blinks	Orange blinks (faster)	Projector shutdown	• Cooling fan stops	• Disconnect the power cord from the AC outlet, and then connect it again. • Take the projector to your nearest Authorized Projector Dealer or Service Center for repair

Compatibility Chart

Computer

Horizontal Frequency: 15-90 kHz;
Vertical Frequency: 50-85 Hz;
Pixel Clock: 12-165 MHz

Mode	Resolution		Vertical frequency (Hz)	Horizontal frequency (kHz)	Analog Support	Digital Support	3D Mode: Auto	Top And Bottom	Frame Sequential	Frame Packing	Side By Side
PC	VGA	640x480	60.0	31.47	✓	✓					
			72.0	37.86	✓	✓					
			75.0	37.50	✓	✓					
			85.0	43.27	✓						
	SVGA	800x600	60.0	37.88	✓	✓		✓	✓		✓
			72.0	48.08	✓	✓					
			75.0	46.88	✓	✓					
			85.0	53.67	✓						
	XGA	1024x768	60.0	48.36	✓	✓		✓	✓		✓
			70.0	56.48	✓	✓					
			75.0	60.02	✓	✓					
			85.0	68.67	✓						
	WXGA	1280x720	60.0	44.80	✓	✓		✓	✓		✓
		1280x768	60.0	47.78	✓	✓					
		1280x800	60.0	49.60	✓	✓		✓	✓		✓
		1360x768	60.0	47.71	✓	✓					
	WXGA+	1440x900	60.0	55.90	✓						
	SXGA	1152x864	75.0	67.50	✓						
		1280x1024	60.0	63.98	✓	✓					
			75.0	79.98	✓	✓					
		1280x960	60.0	60.00	✓	✓					
	SXGA+	1400x1050	60.0	65.32	✓	✓					
	WSXGA+	1680x1050	60.0	65.30	✓						
		1920x1080	60.0	67.50	✓	✓		✓	✓		✓
	UXGA	1600x1200	60.0	75.00	✓						
MAC 13"	VGA	640x480	66.6	35.00	✓						
MAC 16"	SVGA	832x624	74.5	49.70	✓						
MAC 19"	XGA	1024x768	75.0	60.30	✓						
MAC 21"	SXGA	1152x870	75.0	68.68	✓						

DTV

Mode	Signal		Vertical frequency (Hz)	Horizontal frequency (kHz)	Analog Support	Digital Support	3D Mode: Auto	Top And Bottom	Frame Sequential	Frame Packing	Side By Side
DTV Signal	480i	720 x 480i	59.9	15.70	✓						
	576i	720 x 576i	50.0	15.60	✓						
	480p	720 x 480	59.9	31.50	✓	✓					
	576p	720 x 576	50.0	31.60	✓	✓					
	720p	1280 x 720	60.0	45.00	✓	✓		✓	✓		✓
			50.0	37.50	✓	✓		✓			✓
	1080i	1920 x 1080i	60.0	33.80	✓	✓					✓
			50.0	28.10	✓	✓					✓
	1080p	1920 x 1080	24.0	27.00		✓		✓			✓
			60.0	67.50	✓	✓		✓	✓		✓
			50.0	56.30	✓	✓		✓			✓

3D

Mode	Signal		Vertical frequency (Hz)	Horizontal frequency (kHz)	Analog Support	Digital Support	3D Mode: Auto	Top And Bottom	Frame Sequential	Frame Packing	Side By Side
Frame Packing	720p	1280 x 720	50.0	75.00		✓	✓			✓	
			60.0	90.00		✓	✓			✓	
	1080p	1920 x 1080	24.0	54.00		✓	✓			✓	
Top And Bottom	720p	1280 x 720	50.0	37.50		✓	✓	✓			
			60.0	45.00		✓	✓	✓			
	1080p	1920 x 1080	24.0	27.00		✓	✓	✓			
Side By Side	1080i	1920 x 1080i	50.0	28.10		✓	✓				✓
			60.0	33.80		✓	✓				✓

Troubleshooting

Refer to the symptoms and measures listed below before sending the projector for repairs. If the problem persists, contact your local reseller or service center. Please refer to "LED Indicator Messages" as well.

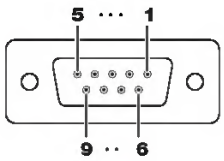
#	Problem	Solution
1	No picture and no sound or projector does not start	• Projector power cord is not plugged into the wall outlet. • Power to the external connected devices is off. • The selected input mode is wrong. • Cables are incorrectly connected to the projector. • Remote control battery has run out. • External output has not been set when connecting notebook computer. • If you turn on the connected device prior to the projector, pictures are displayed incorrectly.
2	Sound is heard but no picture appears (or picture is dark)	• Cables are incorrectly connected to the projector. • "Brightness" is set to minimum position. • Depending on the computer you are using, an image may not be projected unless the signal output setting of the computer is switched to the external output. Refer to the computer's operation manual for how to switch its signal output settings. • Do you use 3D viewing mode ? • When temperature inside the projector increases, the cooling fan runs faster. If this state continues, the picture may become dark.
3	Color is faded or poor.	• Image adjustments are incorrectly set. • Make adjustments of "Color" and "Tint" in "PICTURE > Advanced" and lower the "BrilliantColor™" value.
4	Picture is blurred, noise appears.	• Adjust the focus. • The projection distance exceeds the focus range. • There is fog on the projection window. If the projector is carried from a cold room into a warm room, or if it is suddenly heated, condensation may form on the surface of the projection window and the image will become blurred. Set up the projector at least one hour before it is to be used. If condensation should form, remove the power cord from the wall outlet and wait for it to clear. (Computer Input only) • Perform Synchronization Adjustments ("Frequency" and "Phase" Adjustment) • Noise may appear depending on the computer.

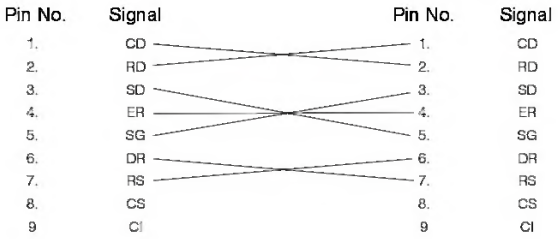
5	Picture appears but no sound is heard.	• Cables are incorrectly connected to the projector. • Volume is set to minimum. • When the projector is connected to an external device and the volume is set to minimum, the sound is not output even if you turn up the volume of the external device.
6	Data image is not centered.	• Depending on the computer you are using, the output resolution signal may be different from the one you have set. For details, refer to the operation manual of the computer.
7	An unusual sound is occasionally heard from the cabinet.	• If the picture is normal, the sound is due to cabinet shrinkage caused by room temperature changes. This will not affect operation or performance.
8	Maintenance indicator on the projector illuminates or blinks in red.	• See "LED indicator messages".
9	Picture is green on HDMI (Component).	• Change the input signal type setting.
10	Picture is pink (no green) on HDMI (RGB).	
11	Picture is too bright and whitish.	• Image adjustments are incorrectly set.
12	The cooling fan becomes noisy.	• When temperature inside the projector increases, the cooling fan runs faster.
13	The light source does not light up even after the projector turns on.	• The light source indicator is illuminating in red.
14	The light source suddenly turns off during projection.	
15	The image sometimes flickers.	• Cables are incorrectly connected to the projector or the connected equipment works improperly.
16	The remote control cannot be used.	• Operate the remote control while pointing it at the projector's remote control sensor. • The remote control may be too far away from the projector. • If direct sunlight or a strong fluorescent lamp is shining on the projector's remote control sensor, place the projector where it will not be affected by strong light. • The batteries may be depleted or inserted incorrectly. Make sure the batteries are inserted correctly or insert new ones.
17	3D images flicker when watching in a room.	• Images may appear to flicker when fluorescent light or ambient light enters your vision. -Turn off the lights. -Block any ambient light.

18	Ghosting (a double image) occurs without the image appearing in 3D.	• Check that you are using 3D LCD shutter glasses that support the DLP® Link™ system. - Be sure to use 3D LCD shutter glasses that support the DLP® Link™ system. • Check that the shutters on the 3D LCD shutter glasses are working properly. - Turn the 3D LCD shutter glasses off and then on again. - Check the batteries of the 3D LCD shutter glasses. - Check that the 3D LCD shutter glasses are set to 3D viewing mode. Some 3D LCD shutter glasses are equipped with a special viewing mode (such as "dual view mode") in addition to the normal 3D viewing mode. See the operation manual of your 3D LCD shutter glasses. • Check the settings of the projector. - Check 3D Mode setting. - Use "3D Sync Invert" to change the setting. • Check whether a signal that is not supported is being input. - Configure your 3D application at the correct resolution and refresh rate. Make sure you are running your 3D application in resolutions that support 3D. To support 3D, your 3D application must be configured to run at the correct settings for this projector. For details on the supported signals, see "3D Supported Signals" of the Compatibility Chart. • If the projector is connected to a computer for 3D image playback, check that a stereoscopically-enabled application is being used. - Use the applicable software. - Set the applicable software to the field sequential format. • Check that there are no obstructions between the screen and the 3D LCD shutter glasses. - Remove any obstructions. Any obstructions may cause the glasses not to function properly causing the lenses to flicker or turn off. Do not place your hand or other objects in front of the 3D control signal sensor on the glasses. • Check whether there is a source of high intensity lighting nearby. - Block the light or turn it off. High intensity lighting can interfere with communication between the 3D LCD shutter glasses and the screen resulting in some flicker. • Check whether two or more projectors are projecting 3D images at the same time. - Use only one projector at a time.

19	A connection for Web Browser cannot be made because you have forgotten your user name or your password.	• Initialize the settings. • After the initialization, carry out setting again.
20	Can not start the Internet Explorer in Windows 10.	• How to start the Internet Explorer in Windows 10. 1. Click the search box on the task bar. 2. Enter the "internet explorer" in the search box. 3. Click on the "Internet Explorer" from the search results.

RS-232C Specifications and Commands





Communication conditions
Set the serial port settings of the computer to match that of the table.

Signal format: Conforms to RS-232C standard.
Parity bit: None
Baud rate: 9,600 bps
Stop bit: 1 bit
Data length: 8 bits
Flow control: None

CONTROL CONTENTS		COMMAND				PARAMETER				RETURN	
										Power ON	Standby mode
Power	On	P	O	W	R	_	_	_	1	OK	OK
	Off	P	O	W	R	_	_	_	0	OK	OK
	State	P	O	W	R	?	?	?	?	1	0
Light Source	Usage Time (Hour)	T	L	T	T	_	_	_	1	(Integer)	ERR
Source Change	VGA IN	I	R	G	B	_	_	1	1	OK or ERR	ERR
	HDMI1	I	R	G	B	_	_	3	1	OK or ERR	ERR
	HDMI2	I	R	G	B	_	_	3	2	OK or ERR	ERR
	S-VIDEO	I	V	E	D	_	_	2	1	OK or ERR	ERR
	VIDEO	I	V	E	D	_	_	2	2	OK or ERR	ERR
	Source Check	I	C	H	K	?	?	?	?	11: COMPUTER 31: HDMI1 32: HDMI2 21: S-VIDEO 22: VIDEO	ERR
Volume	Volume up (1 point)	V	O	U	D	_	_	_	1	OK or ERR	ERR
	Volume down (1 point)	V	O	U	D	_	_	-	1	OK or ERR	ERR
	State	V	O	U	D	?	?	?	?	(Integer)	ERR

AV Mute	On	I	M	B	K	_	_	_	1	OK or ERR	ERR
	Off	I	M	B	K	_	_	_	0	OK or ERR	ERR
	State	I	M	B	K	?	?	?	?	0: Off， 1: On	ERR
Freeze	On	F	R	E	Z	_	_	_	1	OK or ERR	ERR
	Off	F	R	E	Z	_	_	_	0	OK or ERR	ERR
	State	F	R	E	Z	?	?	?	?	0: Off， 1: On	ERR